

# Changzheng Li

## List of Publications by Citations

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**Version:** 2024-04-27

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23  
papers

203  
citations

7  
h-index

13  
g-index

23  
ext. papers

298  
ext. citations

6.4  
avg, IF

3.4  
L-index

#	Paper	IF	Citations
23	Electricity Generation from Capillary-Driven Ionic Solution Flow in a Three-Dimensional Graphene Membrane. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 4922-4929	9.5	28
22	Fluorescence spectroscopy of graphene quantum dots: temperature effect at different excitation wavelengths. <i>Nanotechnology</i> , <b>2014</b> , 25, 435703	3.4	28
21	Thermal characterization of carbon nanotube fiber by time-domain differential Raman. <i>Carbon</i> , <b>2016</b> , 103, 101-108	10.4	25
20	Low-grade waste heat driven desalination with an open loop heat pipe. <i>Energy</i> , <b>2018</b> , 163, 221-228	7.9	22
19	Capillary driven electrokinetic generator for environmental energy harvesting. <i>Materials Research Bulletin</i> , <b>2017</b> , 90, 81-86	5.1	21
18	Electricity generation across graphene oxide membranes. <i>Materials Research Bulletin</i> , <b>2018</b> , 97, 96-100	5.1	18
17	Parallel measurement of conductive and convective thermal transport of micro/nanowires based on Raman mapping. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 253108	3.4	12
16	Interstitial nanoclusters within graphene sheets for highly conductive, strong and electrochemically active fiber-shaped supercapacitors. <i>Applied Materials Today</i> , <b>2020</b> , 20, 100768	6.6	7
15	A framework for evaluating and optimizing the cascade utilization of medium-low grade waste heat in marine dual-fuel engines. <i>Journal of Cleaner Production</i> , <b>2020</b> , 276, 123289	10.3	6
14	Development of steady-state electrical-heating fluorescence-sensing (SEF) technique for thermal characterization of one dimensional (1D) structures by employing graphene quantum dots (GQDs) as temperature sensors. <i>Nanotechnology</i> , <b>2016</b> , 27, 445706	3.4	6
13	Molecular dynamics simulations of the thermal conductivity of graphene for application in wearable devices. <i>Nanotechnology</i> , <b>2019</b> , 30, 025705	3.4	6
12	Triboelectric nanogenerator based on a moving bubble in liquid for mechanical energy harvesting and water level monitoring. <i>Nano Energy</i> , <b>2022</b> , 95, 106998	17.1	5
11	Combined effect of surface charge and boundary slip on pressure-driven flow and convective heat transfer in nanochannels with overlapping electric double layer. <i>International Journal of Heat and Mass Transfer</i> , <b>2021</b> , 176, 121353	4.9	5
10	Hyperbranched concave octahedron of PtIrCu nanocrystals with high-index facets for efficiently electrochemical ammonia oxidation reaction. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 601, 1-11	9.3	4
9	Power generation from microjet array of liquid water. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 285503	3.4	2
8	Ion current rectification in asymmetric charged bilayer nanochannels. <i>Electrochimica Acta</i> , <b>2022</b> , 403, 139706	6.7	2
7	Open loop heat pipes for high-efficiency desalination plant. <i>Applied Thermal Engineering</i> , <b>2021</b> , 193, 117627	9.27	2

6	Electricity generation from ionic solution flowing through packed three-dimensional graphene powders. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	1
5	Thermal transport measurement of three-dimensional graphene powders for application in energy devices. <i>Materials Today Energy</i> , <b>2021</b> , 19, 100582	7	1
4	Flow boiling heat transfer enhancement under ultrasound field in minichannel heat sinks. <i>Ultrasonics Sonochemistry</i> , <b>2021</b> , 78, 105737	8.9	1
3	Surface charge and thermal dependence of energy conversion in nanochannels. <i>International Communications in Heat and Mass Transfer</i> , <b>2022</b> , 135, 106121	5.8	1
2	The electroviscous effect in nanochannels with overlapping electric double layers considering the height size effect on surface charge. <i>Electrochimica Acta</i> , <b>2022</b> , 419, 140421	6.7	0
1	Steady-State Operating Characteristics Analysis of Loop Heat Pipes with Flat-Plate Evaporator. <i>Thermal Science and Engineering Progress</i> , <b>2021</b> , 28, 101070	3.6	